

## United States Patent [19]

## Grouell

4,754,101 5,016,139

Patent Number: [11]

5,892,655

**Date of Patent:** 

Apr. 6, 1999

[54]	HARD DISK DRIVE HEAT SINK				
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[21]	Appl. No.	883,847			
[22]	Filed:	Jun. 27, 1997			
[58]	Field of S	earch			
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[57] **ABSTRACT** 

A plate formed with louvers and a depression to heat engage a hard disk drive motor is attached to such a drive. Heat from the motor is transferred to the plate. The louvers dissipate heat especially if they are in the path of a blower. The plate also protects the user from contact with drive components if touched during installation or removal of the drive while the drive is connected to a computer while electrically ener-

## 3 Claims, 1 Drawing Sheet



